Case 13/083-2-C1

FIGURE 1

APGK12 (SEQ ID NO 1) Replicon RNA compared to I377/NS2-3' Replicon RNA

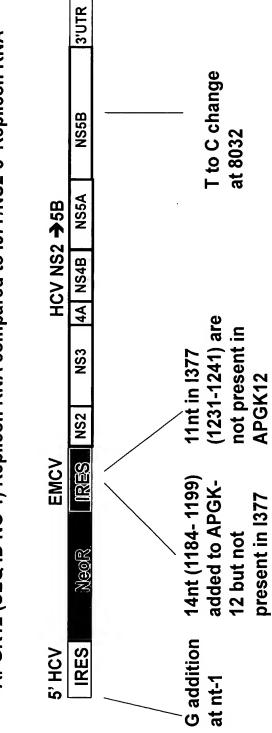
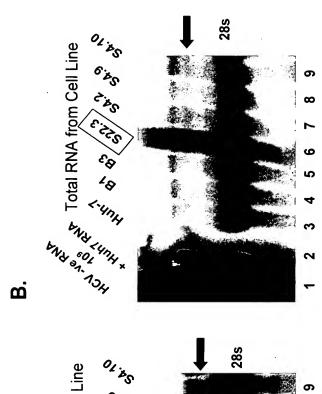


FIGURE 2



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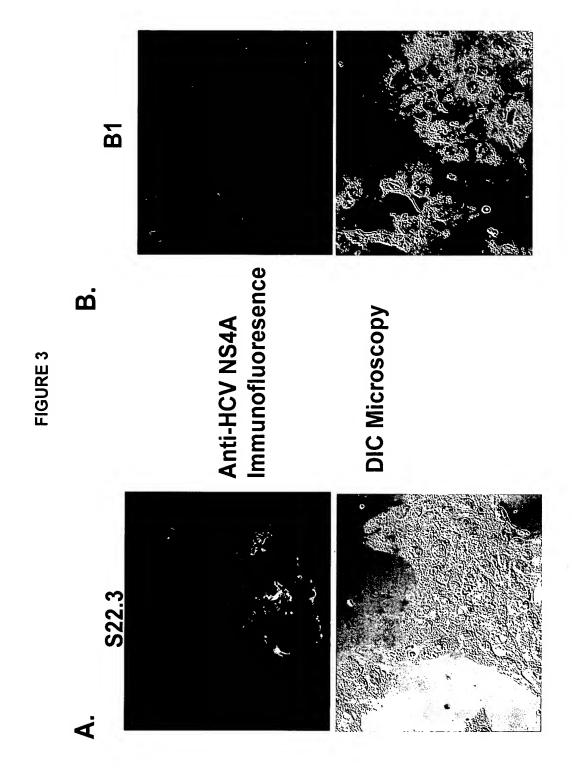
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Northern Blot Detecting HCV -ve Strand

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FIGURE 5A

S 22-3 SEQ ID R3-FEQ ID NO.2 NO.4 NO.7
*G (nt 1) A G (nt 1) A
- A (nt 461) G
. A (nt 1739) G
. G (nt 2778) A
A (nt 2840) C
A (nt 4052) G
A (nt 4446) R A (nt 4446) G
. T (nt 4855) C
G (nt 5498) T A (nt 5351) G
A (nt 6268) R G (nt 5498) T
G (nt 5659) A
C (nt 5871) T
A (nt 6268) G
. A (nt 6652) G

rst nt = G from HCV ires

FIGURE 5B

	S 22-3 SEQ ID NO. 2	R3 SEQ ID NO. 4	R3 Rep SEQ ID R7 SEQ ID NO. 5	R7 SEQ ID NO. 5	R16 SEQ ID NO. 6
5'end - FIRST nt (HCV IRES)	G (nt 1) A	G (nt 1) A	•	•	G (nt 1) A
NS 2	•	•		•	
NS 3	•	R (1135) K S (1560) G	R (1135) K S (1560) G	E (1202) G	S (1148) G E (1202) G
NS 4A	K (1691) mix K/R	K (1691) R	K (1691) R		L (1701) F
NS 4B					
NS 5A		T (1993) A	T (1993) A	I (1984) V	G (2042) R
	G (2042) C	G (2042) C	G (2042) C	G (2042) C	S (2404) P
		P (2166) L	L (2155) P P (2166) L		
NS 5B	•	•	•	M (2992) T	
3'end - last 98 nt	•	•		•	

first a.a. of NS2 = 810

Case 13/083-2-C1

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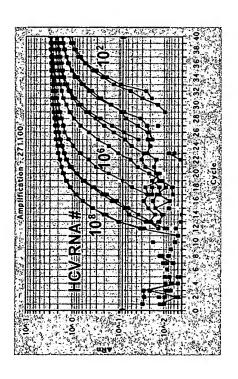
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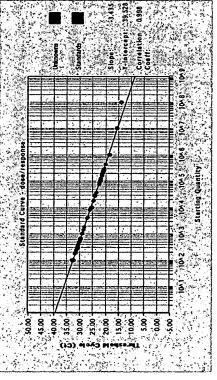
SEQ ID NO 24 RECAULT HCV NS2→5B NS2B NS3B NS5B	CLONE APGK-12				AMINO A	AMINO ACID SUBSTITUTIONS	STITUTIO	SNO		
RES Neor RES NS3 4A NS4B NS5A NS5B	S' HCV		EMCV			/ NS2→5B				3'HCV
G (nt1) SEQ ID NO 1 A (nt1) SEQ ID NO 24 R3 rep A(nt1) SEQ ID NO 25 R(1135)K R(1135)K R(1135)R R(1135)R G(2042)C L(2155)P SEQ ID NO 25 SEQ ID NO 7 SEQ ID NO 7 R(1135)K R(1135)K R(1135)R C(1560)G C(2042)C C(2155)P P(2166)L	IRES	NeoR	IRES	NS2	RSN	4A	NS4B	WS5A	NS5B	UTR
SEQ ID NO 1 - <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>)</td><td></td><td></td></td<>)		
A (nt1) SEQ ID NO 24 R3 rep A(nt1) SEQ ID NO 25 SQ (1560)G A(nt1) SEQ ID NO 7 SE	SEQ ID NO 1									
A (nt1) SEQ ID NO 24 R3 rep A(nt1) SEQ ID NO 25 SQ(1560)G A(nt1) SEQ ID NO 7 SQ(1560)G SQ(2042)C SQ	Di.									
SEQ ID NO 24 R3 rep A(nt1) SEQ ID NO 25 S(1560)G A(nt1) SEQ ID NO 7 SEQ ID NO 7							1	,		
R3 rep	SEQ									
R3 rep A(nt1) SEQ ID NO 25 SEQ ID NO 7 SEQ ID NO 7 SEQ ID NO 7										
R3 rep A(nt1) SEQ ID NO 25 G(nt1) SEQ ID NO 7 SEQ ID NO 7					R(1135)K	K(1691)R		T(1993)A		
A(nt1) SEQ ID NO 25 G(nt1) SEQ ID NO 7 SEQ ID NO 7	R3 rep				S(1560)G			G(2042)C		
SEQ ID NO 25 R(1135)K K(1691)R - G(nt1) S(1560)G SEQ ID NO 7	A(nt1)							L(2155)P		
G(nt1) S(1560)G SEQ ID NO 7	SEQ							P(2166)L		
D NO 7	fu/μg				R(1135)K	K(1691)R	•	T(1993)A		
ID NO 7	G(nt1)				S(1560)G			G(2042)C		
P(2166)L	SEQ ID NO 7							L(2155)P		
	2000000							P(2166)L		

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FIGURE 7

HCV-Replicon: RNA Quantification





Ct = Threshold cycle α Starting RNA Quantity

FIGURE 8

